

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.**

Application Serial Number: 10/573,134  
Source: IFWP  
Date Processed by STIC: 4/6/06

***ENTERED***

## **CRF Errors Edited by the STIC Systems Branch**

Serial Number: 10/573,134

CRF Edit Date: 4/6/06  
Edited by: M

— Realigned nucleic acid/amino acid numbers/text in cases where the sequence text "wrapped" to the next line

— Corrected the SEQ ID NO. Sequence numbers edited were:

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— Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

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Deleted:  invalid beginning/end-of-file text ;  page numbers

— Inserted mandatory headings/numeric identifiers, specifically:

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— Moved responses to same line as heading/numeric identifier, specifically:

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Other: corrected prior application numeric identifiers

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IFWP

RAW SEQUENCE LISTING DATE: 04/06/2006  
PATENT APPLICATION: US/10/573,134 TIME: 13:41:43

Input Set : A:\PTO.AMC.txt  
Output Set: N:\CRF4\04062006\J573134.raw

5 <110> APPLICANT: University Potsdam  
7 <120> TITLE OF INVENTION: Method for conducting non-invasive early detection of  
8 colon cancer and/or of colon cancer precursor cells  
10 <130> FILE REFERENCE: P198903PC  
C--> 12 <140> CURRENT APPLICATION NUMBER: US/10/573,134  
C--> 12 <141> CURRENT FILING DATE: 2006-03-23  
12 <150> PRIOR APPLICATION NUMBER: PCT/DE2004/002161  
13 <151> PRIOR FILING DATE: 2004-09-23  
15 <150> PRIOR APPLICATION NUMBER: DE 103 45 021.1  
16 <151> PRIOR FILING DATE: 2003-09-23  
18 <160> NUMBER OF SEQ ID NOS: 36  
20 <170> SOFTWARE: PatentIn Ver. 2.1  
22 <210> SEQ ID NO: 1  
23 <211> LENGTH: 21  
24 <212> TYPE: DNA  
25 <213> ORGANISM: Artificial sequence  
27 <220> FEATURE:  
28 <223> OTHER INFORMATION: Description of the artificial sequence: primer  
30 <400> SEQUENCE: 1  
31 ttgcagttat ggtcaatacc c 21  
33 <210> SEQ ID NO: 2  
34 <211> LENGTH: 25  
35 <212> TYPE: DNA  
36 <213> ORGANISM: Artificial sequence  
38 <220> FEATURE:  
39 <223> OTHER INFORMATION: Description of the artificial sequence: primer  
41 <400> SEQUENCE: 2  
42 gtgctctcag tataaacagg ataag 25  
45 <210> SEQ ID NO: 3  
46 <211> LENGTH: 20  
47 <212> TYPE: DNA  
48 <213> ORGANISM: Artificial sequence  
52 <220> FEATURE:  
53 <223> OTHER INFORMATION: Description of the artificial sequence: primer  
55 <400> SEQUENCE: 3  
56 cctaaaaagg ctgccacttg 20  
59 <210> SEQ ID NO: 4  
60 <211> LENGTH: 23  
61 <212> TYPE: DNA  
62 <213> ORGANISM: Artificial sequence  
64 <220> FEATURE:  
65 <223> OTHER INFORMATION: Description of the artificial sequence: primer  
67 <400> SEQUENCE: 4

RAW SEQUENCE LISTING DATE: 04/06/2006  
PATENT APPLICATION: US/10/573,134 TIME: 13:41:43

Input Set : A:\PTO.AMC.txt  
Output Set: N:\CRF4\04062006\J573134.raw

68 ctgtgacact gctggaaacctt cgcc 23  
71 <210> SEQ ID NO: 5  
72 <211> LENGTH: 25  
73 <212> TYPE: DNA  
74 <213> ORGANISM: Artificial sequence  
76 <220> FEATURE:  
77 <223> OTHER INFORMATION: Description of the artificial sequence: primer  
79 <400> SEQUENCE: 5  
80 agcacccttag aaccaaattcc agcagg 25  
83 <210> SEQ ID NO: 6  
84 <211> LENGTH: 20  
85 <212> TYPE: DNA  
86 <213> ORGANISM: Artificial sequence  
88 <220> FEATURE:  
89 <223> OTHER INFORMATION: Description of the artificial sequence: primer  
91 <400> SEQUENCE: 6  
92 tggcatggtt tgtccagggc 20  
95 <210> SEQ ID NO: 7  
96 <211> LENGTH: 22  
97 <212> TYPE: DNA  
98 <213> ORGANISM: Artificial sequence  
101 <220> FEATURE:  
102 <223> OTHER INFORMATION: Description of the artificial sequence: primer  
104 <400> SEQUENCE: 7  
105 acaaaaccatcg ccaccaagca ga 22  
108 <210> SEQ ID NO: 8  
109 <211> LENGTH: 24  
110 <212> TYPE: DNA  
111 <213> ORGANISM: Artificial sequence  
113 <220> FEATURE:  
114 <223> OTHER INFORMATION: Description of the artificial sequence: primer  
116 <400> SEQUENCE: 8  
117 gagcactcgat gctggatgaa caag 24  
120 <210> SEQ ID NO: 9  
121 <211> LENGTH: 20  
122 <212> TYPE: DNA  
123 <213> ORGANISM: Artificial sequence  
125 <220> FEATURE:  
126 <223> OTHER INFORMATION: Description of the artificial sequence: primer  
128 <400> SEQUENCE: 9  
129 ttccagatgc tgatacttta 20  
132 <210> SEQ ID NO: 10  
133 <211> LENGTH: 20  
134 <212> TYPE: DNA  
135 <213> ORGANISM: Artificial sequence  
137 <220> FEATURE:  
138 <223> OTHER INFORMATION: Description of the artificial sequence: primer  
140 <400> SEQUENCE: 10  
141 ctgaatcatc taataggtcc 20

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/573,134

DATE: 04/06/2006

TIME: 13:41:43

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\04062006\J573134.raw

144 <210> SEQ ID NO: 11  
145 <211> LENGTH: 21  
146 <212> TYPE: DNA  
147 <213> ORGANISM: Artificial sequence  
150 <220> FEATURE:  
151 <223> OTHER INFORMATION: Description of the artificial sequence: primer  
153 <400> SEQUENCE: 11  
154 ctgggtggagt atttgatagt g 21  
157 <210> SEQ ID NO: 12  
158 <211> LENGTH: 21  
159 <212> TYPE: DNA  
160 <213> ORGANISM: Artificial sequence  
162 <220> FEATURE:  
163 <223> OTHER INFORMATION: Description of the artificial sequence: primer  
165 <400> SEQUENCE: 12  
166 tctatttgtt gatcatattc g 21  
169 <210> SEQ ID NO: 13  
170 <211> LENGTH: 20  
171 <212> TYPE: DNA  
172 <213> ORGANISM: Artificial sequence  
174 <220> FEATURE:  
175 <223> OTHER INFORMATION: Description of the artificial sequence: primer  
177 <400> SEQUENCE: 13  
178 ctgattttgat ggagttggac 20  
181 <210> SEQ ID NO: 14  
182 <211> LENGTH: 20  
183 <212> TYPE: DNA  
184 <213> ORGANISM: Artificial sequence  
186 <220> FEATURE:  
187 <223> OTHER INFORMATION: Description of the artificial sequence: primer  
189 <400> SEQUENCE: 14  
190 cttgagtgaa ggactgagaa 20  
193 <210> SEQ ID NO: 15  
194 <211> LENGTH: 19  
195 <212> TYPE: DNA  
196 <213> ORGANISM: Artificial sequence  
199 <220> FEATURE:  
200 <223> OTHER INFORMATION: Description of the artificial sequence: primer  
202 <400> SEQUENCE: 15  
203 gaatcagctc catccaaatg 19  
206 <210> SEQ ID NO: 16  
207 <211> LENGTH: 19  
208 <212> TYPE: DNA  
209 <213> ORGANISM: Artificial sequence  
211 <220> FEATURE:  
212 <223> OTHER INFORMATION: Description of the artificial sequence: primer  
214 <400> SEQUENCE: 16  
215 ttctcgat ttgcagggt 19  
218 <210> SEQ ID NO: 17

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/573,134

DATE: 04/06/2006

TIME: 13:41:43

Input Set : A:\PTO.AMC.txt  
Output Set: N:\CRF4\04062006\J573134.raw

219 <211> LENGTH: 20  
220 <212> TYPE: DNA  
221 <213> ORGANISM: Artificial sequence  
223 <220> FEATURE:  
224 <223> OTHER INFORMATION: Description of the artificial sequence: primer  
226 <400> SEQUENCE: 17  
227 tgtatcacca tctccatatac 20  
230 <210> SEQ ID NO: 18  
231 <211> LENGTH: 20  
232 <212> TYPE: DNA  
233 <213> ORGANISM: Artificial sequence  
235 <220> FEATURE:  
236 <223> OTHER INFORMATION: Description of the artificial sequence: primer  
238 <400> SEQUENCE: 18  
239 gcattctgat gacttctggat 20  
242 <210> SEQ ID NO: 19  
243 <211> LENGTH: 21  
244 <212> TYPE: DNA  
245 <213> ORGANISM: Artificial sequence  
248 <220> FEATURE:  
249 <223> OTHER INFORMATION: Description of the artificial sequence: primer s  
250 for K-ras  
252 <400> SEQUENCE: 19  
253 ctgggtggagt atttgatagtg g 21  
256 <210> SEQ ID NO: 20  
257 <211> LENGTH: 21  
258 <212> TYPE: DNA  
259 <213> ORGANISM: Artificial sequence  
261 <220> FEATURE:  
262 <223> OTHER INFORMATION: Description of the artificial sequence: primer as  
263 for K-ras  
265 <400> SEQUENCE: 20  
266 tctatttgttgcatatttc g 21  
269 <210> SEQ ID NO: 21  
270 <211> LENGTH: 20  
271 <212> TYPE: DNA  
272 <213> ORGANISM: Artificial sequence  
274 <220> FEATURE:  
275 <223> OTHER INFORMATION: Description of the artificial sequence: primer s  
276 for B-Catechin  
278 <400> SEQUENCE: 21  
279 ctgatttgat ggaggatggac 20  
282 <210> SEQ ID NO: 22  
283 <211> LENGTH: 20  
284 <212> TYPE: DNA  
285 <213> ORGANISM: Artificial sequence  
287 <220> FEATURE:  
288 <223> OTHER INFORMATION: Description of the artificial sequence: primer as  
289 for B-Catechin

RAW SEQUENCE LISTING DATE: 04/06/2006  
PATENT APPLICATION: US/10/573,134 TIME: 13:41:43

Input Set : A:\PTO.AMC.txt  
Output Set: N:\CRF4\04062006\J573134.raw

291 <400> SEQUENCE: 22  
292 cttagtgaa ggactgagaa 20  
295 <210> SEQ ID NO: 23  
298 <211> LENGTH: 21  
299 <212> TYPE: DNA  
300 <213> ORGANISM: Artificial sequence  
302 <220> FEATURE:  
303 <223> OTHER INFORMATION: Description of the artificial sequence: primer s1  
304 for APC  
306 <400> SEQUENCE: 23  
307 ttgcagttat ggtcaatacc c 21  
310 <210> SEQ ID NO: 24  
311 <211> LENGTH: 25  
312 <212> TYPE: DNA  
313 <213> ORGANISM: Artificial sequence  
315 <220> FEATURE:  
316 <223> OTHER INFORMATION: Description of the artificial sequence: primer as1  
317 for APC  
319 <400> SEQUENCE: 24  
320 gtgctctcag tataaacagg ataag 25  
323 <210> SEQ ID NO: 25  
324 <211> LENGTH: 20  
325 <212> TYPE: DNA  
326 <213> ORGANISM: Artificial sequence  
328 <220> FEATURE:  
329 <223> OTHER INFORMATION: Description of the artificial sequence: primer s2  
330 for APC  
332 <400> SEQUENCE: 25  
333 cctcaaaagg ctgccacttg 20  
336 <210> SEQ ID NO: 26  
337 <211> LENGTH: 23  
338 <212> TYPE: DNA  
339 <213> ORGANISM: Artificial sequence  
341 <220> FEATURE:  
342 <223> OTHER INFORMATION: Description of the artificial sequence: primer as2  
343 for APC  
345 <400> SEQUENCE: 26  
348 ctgtgacact gctggaacctt cgc 23  
351 <210> SEQ ID NO: 27  
352 <211> LENGTH: 25  
353 <212> TYPE: DNA  
354 <213> ORGANISM: Artificial sequence  
356 <220> FEATURE:  
357 <223> OTHER INFORMATION: Description of the artificial sequence: primer s3  
358 for APC  
360 <400> SEQUENCE: 27  
361 agcaccctag aaccaaattcc agcag 25  
364 <210> SEQ ID NO: 28  
365 <211> LENGTH: 20

**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/573,134

DATE: 04/06/2006

TIME: 13:41:44

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\04062006\J573134.raw

L:12 M:270 C: Current Application Number differs, Replaced Current Application No  
L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date

## **Raw Sequence Listing before editing (for reference only)**



IFWP

**RAW SEQUENCE LISTING**  
**PATENT APPLICATION: US/10/573,134**

**DATE: 04/04/2006**  
**TIME: 10:28:13**

**Input Set : A:\pto.da.txt**  
**Output Set: N:\CRF4\04042006\J573134.raw**

5 <110> APPLICANT: University Potsdam  
 7 <120> TITLE OF INVENTION: Method for conducting non-invasive early detection of  
 8 colon cancer and/or of colon cancer precursor cells  
 10 <130> FILE REFERENCE: P198903PC  
 C--> 12 <140> CURRENT APPLICATION NUMBER: US/10/573,134  
 C--> 13 <141> CURRENT FILING DATE: 2006-03-23  
 15 <150> PRIOR APPLICATION NUMBER: DE 103 45 021.1  
 16 <151> PRIOR FILING DATE: 2003-09-23  
 18 <160> NUMBER OF SEQ ID NOS: 36  
 20 <170> SOFTWARE: PatentIn Ver. 3.1

*pp 1-2*

**Does Not Comply  
 Corrected Diskette Needed**

**ERRORED SEQUENCES**

472 <210> SEQ ID NO: 36  
 473 <211> LENGTH: 20  
 474 <212> TYPE: DNA  
 475 <213> ORGANISM: Artificial sequence  
 477 <220> FEATURE:  
 478 <223> OTHER INFORMATION: Description of the artifical sequence: Primer as  
 479 for B-raf  
 481 <400> SEQUENCE: 36  
 482 gcattctgat gacttctgg  
 E--> 487 (6)

20

10/573,134 2

SEQUENCE LISTING

<110> University Potsdam

*replace  
with*  
<120> Method for conducting non-invasive early detection of  
colon cancer and/or of colon cancer precursor cells

<130> P198903PC

<1507> <140> PCT/DE2004/002161  
<1517> <141> 2004-09-23

*There are prior data.*

3

**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/573,134

DATE: 04/04/2006

TIME: 10:28:14

Input Set : A:\pto.da.txt

Output Set: N:\CRF4\04042006\J573134.raw

L:12 M:270 C: Current Application Number differs, Replaced Current Application Number

L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:487 M:254 E: No. of Bases conflict, this line has no nucleotides.